



APR 15 2004

Sheet 1 of 4Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark Office

Attorney's Docket No.

10559-608001

Application No.

10/041,753

**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant

Timothy J. Fennell et al.

Filing Date

January 7, 2002

Group Art Unit

2825

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	RE 38,059	04/2003	Yano, et al.			
	AB	4,703,435	10/1987	Darringer, et al.			
	AC	4,970,664	11/1990	Kaiser, et al.			
	AD	5,212,650	05/1993	Hooper, et al.			
	AE	5,267,175	11/1993	Hooper			
	AF	5,278,769	01/1994	Bair, et al.			
	AG	5,287,289	02/1994	Kageyama, et al.			
	AH	5,297,053	03/1994	Pease, et al.			
	AI	5,301,318	04/1994	Mittal			
	AJ	5,384,710	01/1995	Lam, et al.			
	AK	5,475,605	12/1995	Lin			
	AL	5,493,507	02/1996	Shinde, et al.			
	AM	5,544,067	08/1996	Rostoker, et al.			
	AN	5,568,397	10/1996	Yamashita, et al.			
	AO	5,598,347	01/1997	Iwasaki			
	AP	5,603,015	02/1997	Kurosawa, et al.			
	AQ	5,604,894	02/1997	Pickens, et al.			
	AR	5,663,662	09/1997	Kurosawa			
	AS	5,673,198	09/1997	Lawman, et al.			
	AT	5,685,006	11/1997	Shiraishi			
	AU	5,694,579	12/1997	Razdan, et al.			
	AV	5,706,476	01/1998	Giramma			
	AW	5,717,928	02/1998	Campmas, et al.			
	AX	5,724,250	03/1998	Kerzman, et al.			
	AY	5,757,655	05/1998	Shih, et al.			
	AZ	5,831,869	11/1998	Ellis, et al.			
	AAA	5,841,663	11/1998	Sharma, et al.			

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Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABB	5,892,682	04/1999	Hasley, et al.			
	ACC	5,903,469	05/1999	Ho			
	ADD	5,937,190	08/1999	Gregory, et al.			
	AEE	5,974,242	10/1999	Damarla, et al.			
	AFF	6,161,211	12/2000	Southgate			
	AGG	6,178,541	01/2001	Joly, et al.			
	AHH	6,216,256	04/2001	Inoue, et al.			
	AII	6,226,780	05/2001	Bahra, et al.			
	AJJ	6,234,658	05/2001	Houldsworth			
	AKK	6,275,973	08/2001	Wein			
	ALL	6,292,931	09/2001	Dupenloup			
	AMM	6,327,693	12/2001	Cheng, et al.			
	ANN	6,353,806	03/2002	Gehlot			
	AOO	6,353,915	03/2002	Deal, et al.			
	APP	6,360,356	03/2002	Eng			
	AQQ	6,381,565	04/2002	Nakamura			
	ARR	6,421,816	07/2002	Ishikura			
	ASS	6,438,729	08/2002	Ho			
	ATT	6,438,731	08/2002	Segal			
	AUU	6,440,780	08/2002	Kimura, et al.			
	AVV	6,473,885	10/2002	Wallace			
	AWW	6,477,688	11/2002	Wallace			
	AXX	6,505,328	01/2003	Van Ginneken, et al.			
	AYY	6,516,456	02/2003	Garnett, et al.			
	AZZ	6,519,742	02/2003	Falk			
	AAAA	6,523,156	02/2003	Cirit			
	ABBB	6,539,536	03/2003	Singh et al.			

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Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ACCC	6,546,528	04/2003	Sasaki, et al.			
	ADDD	6,574,787	06/2003	Anderson			
	AEEE	6,591,407	07/2003	Kaufman, et al.			
	AFFF	2002/0038447	03/2002	Kim, et al.			
	AGGG	2002/0112221	08/2002	Ferreri, et al.			
	AHHH	2003/0177455	09/2003	Kaufman, et al.			

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AIII	0 404 482	12/1990	EPO				
	AJJJ	0 433 066	06/1991	EPO				
	AKKK	0 720 233	07/1996	EPO				
	ALLL	0 901 088	03/1999	EPO				
	AMMM	1 065 611	01/2001	EPO				
	ANNN	58-060559	04/1983	Japan				
	AOOO	03-225523	10/1991	Japan				
	APPP	07-049890	02/1995	Japan				
	AQQQ	08-314892	11/1996	Japan				
	ARRR	2001-068994	03/2001	Japan				
	ASSS	WO 98/37475	08/1998	WIPO				
	ATTT	WO 00/65492	11/2000	WIPO				

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AUUU	Kutzschebauch, "Efficient logic optimization using regularity extraction", Proceedings of 2000 International Conference on Computer Design, September 17, 2000, pp. 487-493.
	AVVV	Maxfield, C., "Digital Logic Simulation: Event-Driven, Cycle-Based, and Home-Brewed", <i>Electrical Design News</i> , 41(14):129-136 (1996).
	AWWW	NB84035598, "Binary Relational Schema to Model Structured LSI Design", IBM Technical Disclosure Bulletin, Vol. 26, No. 10B, March 1984, pp. 5598-5601.

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Other Documents (Include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AXXX	NN7807629, "Functional Oriented Symbolic Macromodeling Algorithm", IBM Technical Disclosure Bulletin, Vol. 21, No. 2, July 1978, pp. 629-631.
	AYYY	NN8006341, "Macro Physical-To-Logical Checking LSI Chip Design", IBM Technical Disclosure Bulletin, Vol. 23, No. 1, June 1980, pp. 341-345.
	AZZZ	NN9407481, "Functional Modeling using object Collaboration Diagram", IBM Technical Disclosure Bulletin, Vol. 37, No. 7, July 1994, pp. 481-486.
	AAAAA	Parlakbilek, et al., "A Multiple-Strength Multiple-Delay Compiled-Code Logic Simulator", <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 12(12):1937-1946 (1993).
	ABBBB	Su, Stephen, "An Interactive Design Automation System", <i>Proceedings of the 10th Design Automation Workshop on Design Automation</i> , pp. 253-261, June 1973

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